

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 285.0021 0101	Serial No.: 09/768,748
	Applicant(s): SHARMA et al.	Confirmation No.: 3864
	Application Filing Date: 01/24/01	Group: 266+2666
	Information Disclosure Statement mailed: RECEIVED	

MAY 28 2004



U.S. PATENT DOCUMENTS

Technology Center 2600

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TJ	✓	4,914,586	04/03/90	Swinehart et al.	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
TJ	✓	CCITT - The International Telegraph and Telephone Consultative Committee - Blue Book. Volume VIII - Fascicle VIII.1 - Rec. V42 on pages 296-370, "Data Communication Over the Telephone Network" Series V Recommendations. IX th Plenary Assembly, Melbourne, 14-25 November 1988. Geneva 1989. ISBN 92-61-03661-9
TJ	✓	CCITT - The International Telegraph and Telephone Consultative Committee - Blue Book. Volume VIII - Fascicle VIII.2, "Data Communication Networks: Services and Facilities, Recommendations X.1-X.32, IX th Plenary Assembly, Melbourne, 14-25 November 1988. Geneva 1989. ISBN 92-61-03671-9. Entire Book
TJ	✓	Data Sheet. "High Level Data Link Control (HDLC) and Derivatives" pp.1-5, [retrieved on 04/29/04] Retrieved from the Internet http://www.ricksiltshire.com/hdcl.htm
TJ	✓	Data Sheet. Data Networks Resource. "SDLC, HDLC and LLC" pp.1-9, [retrieved on 04/29/04] Retrieved from the Internet http://www.rhyshaden.com/hdcl.htm
TJ	✓	Data Sheet. Telescada: CDPD Communications, "Cellular Digital Packet Data" Retrieved on 04/29/04. Retrieved from the Internet http://www.telescada.com/cdpd.htm

EXAMINER	Date Considered
10/21/05 10/21	2/13/05

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INFORMATION
DISCLOSURE
STATEMENT

Atty. Docket No.: 285.0021 0101

Serial No.: 09/768,748

Applicant(s): SHARMA et al.

Confirmation No.: 3864

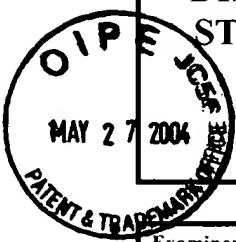
Application Filing Date: 01/24/01

Group: 2661

Information Disclosure Statement mailed:

RECEIVED

MAY 28 2004



Examiner Initial	Copy Enclosed	Document Description	Technology Center 2600
T.O	✓	Data Sheet. Advanced Relay Corporation: Hardware and Software Products. "Physical Layer". 3 pages. Retrieved from the Internet on 04/29/04 (Google Search) http://www.advancedrelay.com/html/products/physical.html	
	✓	"EIA/TIA INTERIM STANDARD - Cellular System Dual-Mode Mobile Station - Base Station Compatibility Standard". IS-54-B (Revision of IS/54-A) April 1992. Telecommunications Industry Association. Pages 1-280	
	✓	Hardwick, "The Data Link Layer", ISDN Design" Professional and Technical Series. Title Page, Table of Contents, and pp. 46-48	
	✓	ITU - International Telecommunication Union, Telecommunication Standardization Sector of ITU. Q.920 (03/93) "Digital Subscriber Signalling System No. 1 (DSS1) - Digital Subscriber Signaling System No. 1 (DSS1) - ISDN User-Network Interface Data Link Layer - General Aspects. ITU-T Recommendation Q.920 (previously CCITT Recommendation). Title page, Table of Contents. Pp. 1-20	
	✓	ITU - International Telecommunication Union, Telecommunication Standardization Sector of ITU. Q.921 (09/97) "Series Q: Switching and Signalling - Digital subscriber Signaling System No. 1 - Data link layer". ISDN User-Network Interface - Data Link Layer Specification. Title page, Table of Contents, pages 1-256	
	✓	Mobile/Cellular Technology. The Website for Mobile Communications. Diagram of IS-54B time slot structure. 1 page. Retrieved from the Internet on 04/27/04 http://www.mobilecomms-technology.com/projects/indiana/indiana5.html	
	✓	MultiTech Systems. "The New MultiModem X.25, V.32TERBO X.25 Desktop Modem". 1 page. (1993)	
	✓	MultiTech Systems. Technical Specifications. 1 page (1993)	
↓	✓	MultiTech Systems. "The New MultiMuxX25, 8 and 16 port X.25 PADs for Private and Public Data Networks" 4 pages. (2/1990)	
T.O	✓	"Privateline.com:Mobile Telephone History", 4 pages. Retrieved from the Internet on 04/27/04 http://www.privateline.com/PCS/history10.htm	

EXAMINER	Date Considered
DMVC 2004	8/13/05

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<i>OPPE</i>	Applicant(s): SHARMA et al.	Confirmation No.: 3864
<i>MAILED</i>	Application Filing Date: 01/24/01	Group: 2661

EXAMINER <i>DAVIS, RON</i>	Date Considered <i>2/13/05</i>
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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 285.0021 0101	Serial No.: 09/768,748
	Applicant(s): SHARMA ET AL.	Confirmation No.: 3864
	Application Filing Date: 24 January 2001	Group: 266-2666
	Information Disclosure Statement mailed:	

U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TO	✓	5,502,727	03-1996	Catanzaro et al.	370	271	

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description

EXAMINER

DMV/2001

Date Considered

2/13/05

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INFORMATION DISCLOSURE STATEMENT  SEP 19 2001	Atty. Docket No.: 285.00210101	Serial No.: 09/768,748
		Confirmation No.: 3864
	Applicant(s): Raghu Sharma et al.	
	Filing Date: 24 January 2001	Group: 2661

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
T. J.	Re 35,104	11/28/95	Murakami et al.	—	—	
	Re. 34,034	08/18/92	O'Sullivan	↑	↑	
	H1,413	02/07/95	Gunn			
	3,304,372	02/14/67	Filipowsky et al.			
	3,789,165	01/29/74	Campanella et al.			
	3,904,830	09/09/75	Every, Sr. et al.			
	3,973,081	08/03/76	Hutchins			
	3,973,089	08/01/76	Puckette			
	3,997,732	12/14/76	Every, Sr. et al.			
	4,040,014	08/02/77	Gehrking			
	4,045,774	08/30/77	Morrison			
	4,059,731	11/22/77	Green et al.			
	4,059,800	11/22/77	Jones, Jr.			
	4,074,081	02/14/78	Humm			
	4,100,377	07/11/78	Flanagan			
	4,107,471	08/15/78	Reed			
	4,124,773	11/07/78	Elkins			
	4,178,480	12/11/79	Carbrey			
	4,205,202	05/27/80	Kahn			
	4,216,354	08/05/80	Esteban et al.			
	4,284,850	08/18/81	Chingelpeel			
	4,295,292	05/27/80	Kahn			
	4,309,434	05/03/94	Maekawa			
	4,310,721	01/12/82	Manley et al.			
	4,320,265	03/16/82	Biggiogera et al.			
	4,354,273	10/12/82	Araseki et al.			
	4,363,122	12/07/82	Black et al.			
↓	4,377,860	03/22/83	Godbole	↓	✗	
↑ D	4,403,322	09/06/83	Kato	—	—	

EXAMINER <i>D. M. G. T. M.</i>	Date Considered <i>2/13/05</i>
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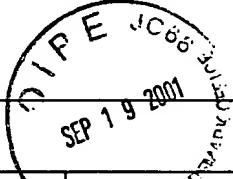
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INFORMATION DISCLOSURE STATEMENT		Atty. Docket No.: 285.00210101	Serial No.: 09/768,748
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Applicant(s): Raghu Sharma et al.			
Filing Date: 24 January 2001		Group: 2661	

<i>F.D.</i>	4,425,512	01/10/84	Tomooka et al.	—	—
↑	4,425,625	01/10/84	Seligman et al.	↑	↑
	4,425,661	01/10/84	Moses et al.		
	4,445,213	04/24/84	Baugh et al.		
	4,447,675	05/08/84	Arntsen et al.		
	4,450,554	05/22/84	Steensma et al.		
	4,455,649	06/19/84	Esteban et al.		
	4,476,559	10/09/84	Brolin et al.		
	4,479,195	10/23/84	Herr et al.		
	4,479,213	10/23/84	Galand et al.		
	4,491,945	01/01/85	Turner		
	4,494,230	01/15/85	Turner		
	4,495,620	01/22/85	Steele et al.		
	4,500,987	02/19/85	Hasegawa		
	4,503,288	03/05/85	Kessler		
	4,503,533	03/05/85	Tobagi et al.		
	4,523,055	06/11/85	Hohl et al.		
	4,524,244	06/18/85	Faggin et al.		
	4,528,425	07/09/85	Melindo et al.		
	4,528,659	07/09/85	Jones, Jr.		
	4,531,023	07/23/85	Levine		
	4,532,495	07/30/85	Gagnon		
	4,533,948	08/06/85	McNamara et al.		
	4,534,024	08/06/85	Maxemchuk et al.		
	4,535,448	08/13/85	Baxter et al.		
	4,546,212	10/08/85	Crowder Sr.		
	4,549,290	10/22/85	Bell		
↓	4,549,308	10/22/85	LoPinto	↓	↓
<i>F.D.</i>	4,555,599	11/26/85	Hackett-Jones et al.	—	—

EXAMINER <i>DANIEL RON</i>	Date Considered <i>2/13/05</i>
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**INFORMATION
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STATEMENT**


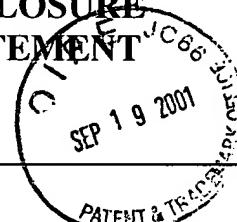
Atty. Docket No.:	285.00210101	Serial No.:	09/768,748
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Applicant(s): Raghu Sharma et al.			
Filing Date:	24 January 2001	Group:	2661

7,0	4,555,805	11/26/85	Talbot	—	—	
↑	4,578,537	03/25/86	Faggin et al.	↑	↑	
	4,581,735	04/08/86	Flamm et al.			
	4,587,651	05/06/86	Nelson et al.			
	4,589,107	05/13/86	Middleton et al.			
	4,593,389	06/03/86	Wurzburg et al.			
	4,597,101	06/24/86	Kishimoto et al.			
	4,598,397	07/01/86	Nelson et al.			
	4,609,788	09/02/86	Miller et al.			
	4,610,022	09/02/86	Kitayama et al.			
	4,611,323	09/09/86	Hessenmiller			
	4,611,342	09/09/86	Miller et al.			
	4,622,680	11/11/86	Zinser			
	4,625,081	11/25/86	Lotito et al.			
	4,629,829	12/16/86	Puhl et al.			
	4,630,262	12/16/86	Callens et al.			
	4,631,746	12/23/86	Bergeron et al.			
	4,644,561	02/17/87	Paneth et al.			
	4,652,703	03/24/87	Lu et al.			
	4,653,086	03/24/87	Laube			
	4,660,194	04/21/87	Larson et al.			
	4,660,218	04/21/87	Hashimoto			
	4,665,514	05/12/87	Ching et al.			
	4,670,874	06/02/87	Sato et al.			
	4,679,190	07/07/87	Dias et al.			
	4,697,281	09/29/87	O'Sullivan			
	4,698,803	10/06/87	Haselton et al.			
	4,700,341	10/13/87	Huang			
↓	4,707,831	11/17/87	Weir et al.	↓	↓	
7,0	4,716,585	12/29/87	Tompkins et al.	—	—	

EXAMINER	Date Considered
DOYLE, 2011	2/13/05

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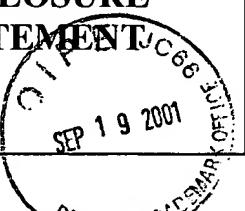
INFORMATION DISCLOSURE STATEMENT		Atty. Docket No.: 285.00210101	Serial No.: 09/768,748
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Applicant(s): Raghu Sharma et al.			
Filing Date: 24 January 2001		Group: 2661	



↑	4,718,057	01/05/88	Venkitakrishnan et al.	—	—	
↑	4,718,082	01/05/88	Parker et al.	↑	↑	
	4,723,238	02/02/88	Isreal et al.			
	4,725,977	02/16/88	Izumi et al.			
	4,730,311	03/08/88	Carse et al.			
	4,740,963	04/26/88	Eckley			
	4,750,169	06/07/88	Carse et al.			
	4,751,510	06/14/88	Desaint Michel et al.			
	4,751,736	06/14/88	Gupta et al.			
	4,757,497	07/12/88	Beierle et al.			
	4,757,527	07/12/88	Beniston et al.			
	4,761,646	08/02/88	Choquet et al.			
	4,764,955	08/16/88	Galand et al.			
	4,769,833	09/06/88	Farleigh et al.			
	4,771,425	09/13/88	Baran et al.			
	4,782,485	11/01/88	Gollub			
	4,782,515	11/01/88	Phillips, deceased et al.			
	4,785,472	11/15/88	Shapiro			
	4,792,945	12/20/88	Mark			
	4,794,595	12/27/88	Ohyama			
	4,797,878	01/10/89	Armstrong			
	4,802,221	01/31/89	Jibbe			
	4,807,250	02/21/89	Tanaka			
	4,809,271	02/28/89	Kondo et al.			
	4,813,040	03/14/89	Futato			
↓	4,817,089	03/28/89	Paneth et al.	↓	↓	
↓	4,819,228	04/04/89	Baran et al.	↓	↓	
↑	4,821,312	04/11/89	Horton et al.	—	—	

EXAMINER	Date Considered
DAV/6 12/01	2/13/05

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10	4,827,085	05/02/89	Yaniv et al.	—	—	
↑	4,835,765	05/30/89	Bergmans et al.	↑	↑	
	4,839,802	06/13/89	Wonak et al.			
	4,839,906	06/13/89	Leveque et al.			
	4,845,746	07/04/89	Li			
	4,847,677	06/11/89	Music et al.			
	4,847,829	07/11/89	Tompkins et al.			
	4,847,900	07/11/89	Wakim			
	4,862,449	08/29/89	Hoefkens et al.			
	4,864,559	09/05/89	Perlman			
	4,866,704	09/12/89	Bergman			
	4,866,732	09/12/89	Carey et al.			
	4,872,160	10/03/89	Hemmady et al.			
	4,873,715	10/10/89	Shibata			
	4,887,265	12/12/89	Felix			
	4,890,282	12/26/89	Lambert et al.			
	4,890,316	12/26/89	Walsh et al.			
	4,890,326	12/26/89	Euler			
	4,890,327	12/26/89	Bertrand et al.			
	4,891,806	01/02/90	Farias et al.			
	4,893,308	01/09/90	Wilson et al.			
	4,893,326	01/09/90	Duran et al.			
	4,893,339	01/09/90	Bright et al.			
	4,901,333	02/13/90	Hodgkiss			
	4,903,261	02/20/90	Baran et al.			
	4,905,231	02/27/90	Leung et al.			
	4,905,282	02/27/90	Mcglynn et al.			
	4,907,277	03/06/90	Callens et al.			
↓	4,912,705	03/27/90	Paneth et al.	↓	↓	
10	4,912,745	03/27/90	Fitzpatrick et al.	—	—	

EXAMINER <i>DITNO, 2011</i>	Date Considered <i>2/13/05</i>
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Filing Date: 24 January 2001		Group: 2661

SEP 19 2001
PATENT & TRADEMARK OFFICE
JC66

✓	4,912,756	03/27/90	Hop	—	—	
↑	4,912,758	03/27/90	Arbel	↑	↑	
	4,914,650	04/03/90	Sriram			
	4,926,448	05/15/90	Kraul et al.			
	4,926,482	02/15/90	Frost et al.			
	4,932,022	06/05/90	Keeney et al.			
	4,932,048	06/05/90	Kenmochi et al.			
	4,935,927	06/19/90	Kaewell, Jr. et al.			
	4,935,954	06/19/90	Thompson et al.			
	4,942,569	07/17/90	Maeno			
	4,953,210	08/28/90	Mcglynn et al.			
	4,965,789	10/23/90	Bottau et al.			
	4,972,457	11/20/90	O'Sullivan			
	4,972,462	11/20/90	Shibata			
	4,972,483	11/20/90	Carey			
	4,974,099	11/27/90	Lin et al.			
	4,977,591	12/11/90	Chen et al.			
	4,981,371	01/01/91	Gurak et al.			
	4,985,891	01/15/91	Fujiwara et al.			
	4,989,203	01/29/91	Phinney			
	4,991,169	02/05/91	Davis et al.			
	4,991,172	02/05/91	Cidon et al.			
	4,991,197	02/05/91	Morris			
	4,994,802	02/19/91	Critchlow et al.			
	4,995,059	02/19/91	Ishikawa			
	4,996,697	02/26/91	Critchlow et al.			
	4,998,241	03/05/91	Brox et al.			
	4,998,248	03/05/91	Matsuzaki			
✓	5,001,710	03/19/91	Gawrys et al.	↓	↓	
✓	5,001,729	03/19/91	Tjahjadi et al.	—	—	

EXAMINER DANIEL DUNN	Date Considered 2/13/05
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5,001,745	03/19/91	Pollock	-	-
5,005,183	04/02/91	Carey et al.	↑	↑
5,007,050	04/09/91	Kasparian et al.		
5,008,901	04/16/91	Wallach et al.		
5,008,926	04/16/91	Misholi		
5,014,232	05/07/91	Andre		
5,014,267	05/07/91	Tompkins et al.		
5,014,306	05/07/91	Rodgers et al.		
5,020,058	05/28/91	Holden et al.		
5,022,024	06/04/91	Paneth et al.		
5,023,903	06/11/91	Bowen		
5,025,443	06/18/91	Gupta		
5,034,962	07/23/91	Yamamoto et al.		
5,036,513	07/30/91	Greenblatt		
5,042,028	08/20/91	Ogawa		
5,044,010	08/27/91	Frenkiel et al.		
5,046,188	09/03/91	Molnar		
5,051,720	09/24/91	Kittirutsunetorn		
5,054,055	10/01/91	Hanle et al.		
5,062,133	10/29/91	Melrose		
5,065,395	11/12/91	Shenoi et al.		
5,065,425	11/12/91	Lecomte et al.		
5,065,427	11/12/91	Godbole		
5,070,526	12/03/91	Richmond et al.		
5,072,308	12/10/91	Lin et al.		
5,073,926	12/17/91	Suzuki et al.		
5,079,769	01/07/92	Ehricke et al.		
5,081,647	01/14/92	Bremer		
5,083,310	01/21/92	Drory	↓	↓
5,086,425	02/04/92	Le Goffic et al.	-	-

EXAMINER <i>DAV16 12/21/</i>	Date Considered <i>2/13/05</i>
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7-0	5,086,471	02/04/92	Tanaka et al.	—	—	
7-1	5,099,472	03/24/92	Townsend et al.	7-1	7-1	
	5,107,519	04/21/92	Ishikawa			
	5,115,429	05/19/92	Hluchyj et al.			
	5,119,375	06/02/92	Paneth et al.			
	5,121,385	06/09/92	Tominaga et al.			
	5,121,391	06/09/92	Paneth et al.			
	5,127,001	06/30/92	Steagall et al.			
	5,127,041	06/30/92	O'Sullivan			
	5,130,985	07/14/92	Kondo et al.			
	5,132,966	07/21/92	Hayano et al.			
	5,136,586	08/04/92	Greenblatt			
	5,138,662	08/11/92	Amano et al.			
	5,146,470	09/08/92	Fujii et al.			
	5,150,357	09/22/92	Hopner et al.			
	5,150,410	09/22/92	Bertrand			
	5,151,937	09/29/92	Chujo et al.			
	5,153,897	10/06/92	Sumiyoshi et al.			
	5,155,726	10/13/92	Spinney et al.			
	5,155,847	10/13/92	Kirouac et al.			
	5,162,812	11/10/92	Aman et al.			
	5,164,982	11/17/92	Davis			
	5,170,427	12/08/92	Guichard et al.			
	5,177,734	01/05/93	Cummiskey et al.			
	5,179,588	01/12/93	Nowicki			
	5,182,762	01/26/93	Shirai et al.			
	5,187,591	02/16/93	Guy et al.			
	5,187,692	02/16/93	Haneda et al.			
7-2	5,193,110	03/09/93	Jones et al.	—	—	
7-3	5,195,086	03/16/93	Baumgartner et al.	—	—	

EXAMINER D. M. J. / J. M.	Date Considered 2/13/05
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Filing Date: 24 January 2001		Group: 2661

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7-0	5,195,130	03/16/93	Weiss et al.	—	—	
↑	5,206,900	04/27/93	Callele	↑	↑	
	5,208,812	05/04/93	Dudek et al.			
	5,208,850	05/04/93	Kino			
	5,214,650	05/25/93	Renner et al.			
	5,214,656	05/25/93	Chung et al.			
	5,228,026	07/13/93	Albrow et al.			
	5,228,033	07/13/93	Okouchi			
	5,228,076	07/13/93	Hopner et al.			
	5,233,660	08/03/93	Chen			
	5,235,595	08/10/93	O'Dowd			
	5,247,591	09/21/93	Baran			
	5,249,218	09/28/93	Sainton			
	5,257,410	10/26/93	Meszko et al.			
	5,258,983	11/02/93	Lane et al.			
	5,260,783	11/09/93	Dixit			
	5,261,027	11/09/93	Taniguschi et al.			
	5,263,019	11/16/93	Chu			
	5,272,695	12/21/93	Makino et al.			
	5,272,700	12/21/93	Hansen et al.			
	5,276,703	01/04/94	Budin et al.			
	5,278,900	01/11/94	Van Gerwen et al.			
	5,280,519	01/18/94	Nakajima et al.			
	5,282,197	01/25/94	Kreitzer			
	5,283,638	02/01/94	Engberg et al.			
	5,283,819	02/01/94	Glick et al.			
	5,288,026	07/13/93	Albrow et al.			
	5,289,539	02/22/94	Maruyama			
↓	5,295,136	03/15/94	Ashley et al.	↓	↓	
7-0	5,297,203	03/22/94	Rose et al.	—	—	

EXAMINER D. PRINGS	Date Considered 2/13/05
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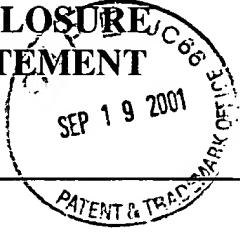
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	Filing Date: 24 January 2001	Group: 2661

FD	5,301,246	04/05/94	Archibald et al.	—	—	
↑	5,305,312	04/19/94	Fornek et al.	↑	↑	
	5,307,413	04/26/94	Denzer			
	5,309,562	05/03/94	Li			
	5,313,498	05/17/94	Sano			
	5,317,604	05/31/94	Osterweil			
	5,319,682	06/07/94	Clark			
	5,327,520	07/05/94	Chen			
	5,329,472	07/12/94	Sugiyama			
	5,341,374	08/23/94	Lewen et al.			
	5,343,473	08/30/94	Cidon et al.			
	5,343,521	08/30/94	Jullien et al.			
	5,347,572	09/13/94	Avni			
	5,355,365	10/01/94	Bhat et al.			
	5,355,406	10/11/94	Chencinski et al.			
	5,365,576	11/15/94	Tsumura et al.			
	5,365,577	11/15/94	Davis et al.			
	5,369,700	11/29/94	Koura et al.			
	5,371,853	12/06/94	Kao et al.			
	5,375,068	12/20/94	Palmer et al.			
	5,377,260	12/27/94	Long			
	5,379,340	01/03/95	Overend et al.			
	5,381,412	01/10/95	Otani			
	5,384,780	01/24/95	Lomp et al.			
	5,388,150	02/07/95	Schneyer et al.			
	5,390,239	02/14/95	Morris et al.			
	5,390,250	02/14/95	Janse et al.			
	5,402,474	03/28/95	Miller et al.			
↓	5,406,557	04/11/95	Baudion	↓	↓	
FD	5,406,560	04/11/95	Kondo et al.	—	—	

EXAMINER DANIEL RAY	Date Considered 2/13/05
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↑	5,408,401	04/18/95	Miyazaki	—	—	
↑	5,408,522	04/18/95	Ikehata et al.	↑	↑	
	5,408,527	06/18/95	Tsutsu			
	5,414,773	05/09/95	Handelman			
	5,414,796	05/09/95	Jacobs et al.			
	5,416,776	05/16/95	Panzarella et al.			
	5,425,089	06/13/95	Chan et al.			
	5,426,652	06/20/95	Heiman			
	5,438,536	08/01/95	Salzman			
	5,438,614	08/01/95	Rozman et al.			
	5,440,547	08/08/95	Easki et al.			
	5,440,619	08/08/95	Cann			
	5,440,698	08/08/95	Sindhu et al.			
	5,444,770	08/22/95	Davis et al.			
	5,448,555	09/05/95	Bremer et al.			
	5,450,425	09/12/95	Gunn et al.			
	5,452,289	09/19/95	Sharma et al.			
	5,452,329	09/19/95	Sato			
	5,453,986	09/26/95	Davis et al.			
	5,463,616	10/31/95	Kruse et al.			
	5,465,267	11/07/95	Todoroki			
	5,471,470	11/28/95	Sharma et al.			
	5,472,351	12/05/95	Greco et al.			
	5,473,676	12/05/95	Frick et al.			
	5,477,547	12/19/95	Sugiyama			
	5,479,407	12/26/95	Ko et al.			
	5,479,475	12/26/95	Grob et al.			
	5,483,576	01/09/96	Staples			
↓	5,490,060	02/06/96	Malec et al.	↓	↓	
↑	5,493,609	02/20/96	Winseck, Jr. et al.	—	—	

EXAMINER <i>DAVIS, J.</i>	Date Considered <i>2/13/05</i>
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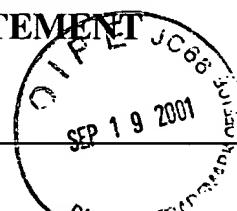
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↑	5,500,859	03/19/96	Sharma et al.	—	—	
↑	5,515,398	05/07/96	Walsh et al.	↑	↑	
	5,521,975	05/28/96	Hashimoto			
	5,524,047	06/04/96	Brown et al.			
	5,526,423	06/11/96	Ohuchi et al.			
	5,535,204	07/09/96	Li			
	5,541,640	07/30/96	Larson			
	5,546,395	08/13/96	Sharma et al.			
	5,546,448	08/13/96	Caswell et al.			
	5,550,816	08/27/96	Hardwick et al.			
	5,559,793	09/24/96	Maitra et al.			
	5,574,725	11/12/96	Sharma et al.			
	5,577,041	11/19/96	Sharma et al.			
	5,592,586	01/07/97	Maitra et al.			
	5,596,628	01/21/97	Klein			
	5,600,649	02/04/97	Sharma et al.			
	5,617,423	04/01/97	Li et al.			
	5,619,508	04/08/97	Davis et al.			
	5,628,030	05/06/97	Tuckner			
	5,631,745	05/20/97	Wong et al.			
	5,644,629	07/01/97	Chow			
	5,673,257	09/30/97	Sharma et al.			
	5,673,268	09/30/97	Sharma et al.			
	5,675,640	10/07/97	Tappert et al.			
	5,699,410	12/16/97	Imamura et al.			
	5,699,417	12/16/97	Khojasteh			
	5,699,418	12/16/97	Jones			
↓	5,745,558	04/28/98	Richardson, Jr. et al.	↓	↓	
↓	5,754,589	05/19/98	Maitra et al.	—	—	

EXAMINER <i>Davis, Ron</i>	Date Considered <i>2/13/05</i>
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<i>T.R</i>	5,764,627	06/09/98	Sharma et al.	—	—	
	5,764,628	06/09/98	Davis et al.	↑	↑	
	5,790,532	08/04/98	Sharma et al.			
	5,812,534	09/22/98	Davis et al.			
	5,815,503	09/29/98	Li			
	5,821,987	10/13/98	Larson			
	5,864,560	01/26/99	Li et al.			
<i>T.D</i>	6,009,082	12/28/99	Caswell et al.	↓	↓/	
<i>T.D</i>	6,012,113	01/04/00	Tuckner	—	—	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	SubClass	Translation	
						Ye s	N o
<i>T.R</i>	2104701	07/09/94	Canada	—	—		
<i>T.R</i>	EP 0 309 993 A2	04/05/89	EPO	↑	↑		
	EP 0 309 993 A3	04/05/89	EPO				
	EP 0 364 866	01/25/90	EPO				
	EP 0 374 828 B1	06/27/90	EPO				X
	EP 0 429 054	05/29/91	EPO				
	EP 0 443 548	08/28/91	EPO				
	EP 0 453 128	10/23/91	EPO				
	EP 0 480 634 B1	04/15/92	EPO				
	EP 0 488 865	06/03/92	EPO				
	EP 0 510 411	10/28/92	EPO				
	EP 0 526 104	02/03/93	EPO				
	EP 0 581 528	02/02/94	EPO				
	EP 0 582 537	02/09/94	EPO				
<i>T.D</i>	EP 0 614 305	09/07/94	EPO	↓	↓		
<i>T.D</i>	EP 0 630 141	12/21/94	EPO	—	—		

EXAMINER <i>DRM/DRW</i>	Date Considered <i>2/13/05</i>
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T.O	EP 0 650 286	04/26/95	EPO	—	—		
	EP 0 425 163 B1	05/02/95	EPO	↑	↑		
	DE 3344140 C2	06/14/84	Germany			X	
	DE 3426055 A1	01/31/85	Germany			X	
	DE 3409532 A1	09/19/85	Germany			X	
	DE 3504064	08/07/86	Germany				
	DE 3726366 C2	02/11/88	Germany			X	
	DE 3630469	03/10/88	Germany				
	DE 3531173 C2	03/13/89	Germany			X	
	DE 3490532	04/06/89	Germany				
	GB 2 025 735 A	01/23/80	Great Britain				
	GB 2 131 654 A	06/20/84	Great Britain				
	GB 2 173 070 A	10/01/86	Great Britain				
	GB 2 184 327 A	06/17/87	Great Britain				
	GB 2 195 866 A	04/13/88	Great Britain				
	GB 2 208 986 A	04/19/89	Great Britain				
	GB 2 210 237	06/01/89	Great Britain				
	GB 2 212 028 A	07/12/89	Great Britain				
	GB 2 227 625 A	08/01/90	Great Britain				
	GB 2 260 670	04/21/93	Great Britain				
	GB 2 268 663	01/12/94	Great Britain				
	58-88961	05/27/83	Japan			X	
	59-44140	03/12/84	Japan			X	
	59-081947	05/11/84	Japan (English Abstract)			X	
	61077449	04/21/86	Japan (English Abstract)			X	
	62-61437	03/18/87	Japan			X	
✓	62-77730	04/09/87	Japan	↓	↓	X	
T.O	62-221267	09/29/87	Japan (English Abstract)	—	—	X	

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DANLJ DW	2/13/05

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✓	63-019951	01/27/88	Japan (English Abstract)	—	—	X
↑	63-48030	02/29/88	Japan	↑	↑	X
	63-54052	03/08/88	Japan			X
	63-64460	03/22/88	Japan (English Abstract)			X
	63-105533	05/10/88	Japan			X
	63-124658	05/28/88	Japan			X
	63-155831	06/29/88	Japan			X
	63-169850	07/13/88	Japan			X
	61054052	08/03/88	Japan			X
	64-16043	01/19/89	Japan			X
	64-18329	01/23/89	Japan (English Abstract)			X
	01068052	03/14/89	Japan (English Abstract)			X
	1-181344	07/19/89	Japan			X
	1-198144	08/09/89	Japan		X	
	02034077	02/05/90	Japan			
	2-67847	03/07/90	Japan			X
	2-107027	04/19/90	Japan			X
	2-145097	06/04/90	Japan			X
	193489	07/31/90	Japan			
	257748	10/18/90	Japan			
	03009643	01/17/91	Japan			
	3-58582	03/13/91	Japan			X
	03153152	07/01/91	Japan			
	3-157027	07/05/91	Japan			X
	03162052	07/12/91	Japan			
↓	03237853	10/23/91	Japan	↓	↓	
✓	U 3-115458	11/28/91	Japan	—	—	

EXAMINER <i>DR. M. R. R.</i>	Date Considered <i>2/13/05</i>
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✓	03280797	12/11/91	Japan	-	-		
✓	4-35137	02/05/92	Japan	✓	✓		X
	04319847	11/10/92	Japan				
	5-504687	07/22/93	Japan				X
	2790977	07/21/95	Japan				X
	WO 87/01254	02/26/87	PCT				
	WO 91/05419	04/18/91	PCT				
	WO 91/07044	05/16/91	PCT				
	WO 91/15067	10/03/91	PCT				
	WO 92/06550	04/16/92	PCT				
	WO 92/20028	11/12/92	PCT				
	WO 93/11643	06/10/93	PCT				
	WO 93/22869	11/11/93	PCT				
	WO 94/26056	11/10/94	PCT				
✓	WO 96/15601	05/23/96	PCT	↓	↓		
✓	WO 96/15612	05/23/96	PCT	—	—		

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

✓		"1983 Index, IEEE Journal on Selected Areas in Communications Vol. SAC-1", pp. 1-13 (1983).
✓		"A history of video conferencing (VC) technology", 2 pages (date unknown).
		"A Family of 2-Wire, Duplex Modems Operating at Data Signalling Rates", CCITT, V. 32, Facsimile Recommendation (1988).
		"Applications of the MT8841 Calling Number Identification Circuit", <u>Mitel Microelectronics Digital/Analog Communications Handbook</u> , Doc. No. 9161-001-060-NA, Issue 1, pp. 12-307 (1993).
✓		"Communications for the Information Age", <u>IEEE Global Telecommunications Conference & Exhibition</u> , 1 of 3, pp. 34-36 (Nov. 28 - Dec. 1).
✓		"Composite Mini-Packet Switching", <u>IBM Technical Disclosure Bulletin</u> , 32(5A):162-164 (1989).

EXAMINER	Date Considered
D. M. V. D. M.	2/13/05

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Applicant(s): Raghu Sharma et al.			
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<i>T.D</i>		“Data Communication Networks: Services and Facilities, Terminal Equipment and Interfaces, Recommendations X.1-X.29”, <u>CCITT Yellow Book, Volume VIII-Fascicle VIII.2</u> , pp. 100-190 (1981).
<i>↑</i>		“Data Communication Over the Telephone Network”, <u>CCITT Blue Book, Vol. VIII</u> , (1989).
		“Data Communication Networks: Transmission, Signalling and Switching, Network Aspects, Maintenance, Administrative Arrangements, Recommendations X.40-X.180”, <u>CCITT Yellow Book, Volume VIII-Fascicle VIII.3</u> , pp. 142-208 (1980).
		“Data Communication Over the Telephone Network: Data Compression Procedures for Data Circuit Terminating Equipment (DCE) Using Error Correction Procedures”, <u>CCITT Recommendation V. 42 bis</u> (1990).
		“Data Communication Over the Telephone Network: Definitions of Terms Concerning Data Communication over the Telephone Network”, <u>ITU-T Recommendation V. 7</u> (1993).
		“DEC Sound/Picture Information Network, (DECspin) for ULTRIX, Version 1.0”, <u>Digital Corp.</u> , 4 pages (1992).
		“Dial-up comm server”, <u>LAN Technology</u> , 7(12):87 (1991).
		“Error Control for Voice/Data Packet Network”, <u>IBM Technical Disclosure Bulletin</u> , 29(7):3092-3095 (1986).
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		“Experimental Internet Stream Protocol, Version 2 (ST-II)”, <u>Network Working Group, CIP Working Group</u> , 148 pages (1990).
		“Forthcoming Special Issues and Mini-Special Issues of IEEE Journal on Selected Areas in Communications and IEEE Transactions on Communications for 1984-1985”, <u>IEEE Journal on Selected Areas in Communications, SAC-1(6):1155-1158</u> (1983).
		“Full Duplex Speakerphone”, <u>IBM Technical Disclosure Bulletin</u> , 29(12):5599-5602 (1987).
<i>↓</i>		“Go Global Without Leaving Your Office”, <u>Artel Technology</u> , 4 pages (date unknown).
<i>T.D</i>		“High Speed Data Pump Chip Sets”, <u>AT&T Microelectronics</u> , pp. 1-91 & F1-F20 (Dec. 1991).

EXAMINER <i>DAN</i>	Date Considered <i>2/13/05</i>
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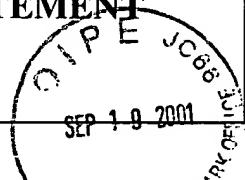
INFORMATION DISCLOSURE STATEMENT <small>SEP 19 2001</small> <small>PATENT & TRADEMARK OFFICE</small>	Atty. Docket No.: 285.00210101	Serial No.: 09/768,748
		Confirmation No.: 3864
	Applicant(s): Raghu Sharma et al.	
	Filing Date: 24 January 2001	Group: 2661

T.0		“Information Processing Techniques Program. Volume II. Wideband Integrated Voice/Data Technology”, <u>Massachusetts Inst. of Tech., Lexington, Lincoln Lab</u> , 36 pages (1978).
✓		“Integrated Voice/Data PABX”, <u>IBM Technical Disclosure Bulletin</u> , pp. 1537-1538 (Sept. 1986).
		“ISDN Systems: Architecture, Technology, and Applications”, Prentice-Hall, Inc., Englewood Cliffs, New Jersey (1990).
		“Jane’s Military Communications, 1981”, Jane’s Publishing Company Limited, London (1981).
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		“Jane’s Military Communications, 1987”, Jane’s Publishing Company Limited, London (1987).
		“Mechanism for Integrating Voice and Data on a Transmission Channel”, <u>IBM Technical Disclosure Bulletin</u> , 30(5):208-209 (1987).
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		“Mitel MT8841 Calling Number Identification Circuit”, <u>Mitel Microelectronics Digital/Analog Communications Handbook</u> , Doc. No. 9161-952-007-NA, Issue 9, pp. 8-93 - 8-102 (1993).
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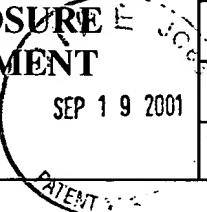
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			Confirmation No.: 3864
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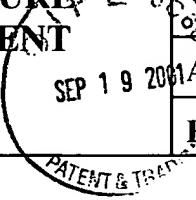
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Applicant(s): Sharma et al.

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	NONE					

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						Yes	No
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